

What is claimed is:

1. A flat luminescent lamp comprising:
first and second substrates attached to each other at a plurality of adhesive portions;
a plurality of discharge spaces in regions other than the plurality of adhesive portions between the first and second substrates;
first and second electrodes arranged in the discharge spaces to be separated from each other;
first and second phosphor layers formed in the discharge spaces; and
first and second frames sealing the first and second substrates.
2. The flat luminescent lamp of claim 1, further comprising a reflecting material layer formed in the discharge spaces adjoining the first substrate.
3. The flat luminescent lamp of claim 1, wherein the plurality of discharge spaces are formed along a vertical direction of the first and second substrates.
4. The flat luminescent lamp of claim 1, wherein the first and second frames are formed along a horizontal direction of the first and second substrates.
5. The flat luminescent lamp of claim 1, wherein the first electrode includes a transparent conductive material.
6. The flat luminescent lamp of claim 5, wherein the transparent conductive material includes indium tin oxide.

7. The flat luminescent lamp of claim 1, further comprising a first dielectric layer formed in the discharge spaces adjoining the first substrate and a second dielectric layer formed in the discharge spaces adjoining the second substrate.

8. The flat luminescent lamp of claim 1, wherein the plurality of discharge spaces each have a round shape or a polygon shape close to a round shape.

9. The flat luminescent lamp of claim 1, wherein the first and second substrates each comprise a glass material.

10. The flat luminescent lamp of claim 1, wherein the first substrate comprises a ceramic material while the second substrate comprises a glass material.

11. The flat luminescent lamp of claim 1, wherein the first and second electrodes are formed along the discharge spaces.

12. The flat luminescent lamp of claim 1, wherein the plurality of discharge spaces have a stripe shape.

13. The flat luminescent lamp of claim 1, wherein the plurality of discharge spaces are spaced apart from each other.

14. The flat luminescent lamp of claim 1, wherein the first electrode includes two or more separate electrodes.

15. The flat luminescent lamp of claim 1, wherein the first frame is attached to the second substrate along one side of the first substrate while the second frame is attached to the first substrate along a side of the second substrate that is not attached to the first frame.

16. The flat luminescent lamp of claim 1, further comprising a diffusion sheet formed at a rear side of the second substrate.

17. A method for manufacturing a flat luminescent lamp comprising the steps of:
forming a plurality of stripe shaped grooves in first and second substrates;
forming first and second electrodes on the first and second substrates in the grooves;
forming a reflecting material layer on the first substrate including the first electrode in the grooves;
forming phosphor layers on the reflecting material layer and the second electrode in the grooves;
attaching the first and second substrates to each other so that the grooves face each other;
and
sealing the first and second substrate after injecting a phosphor gas into the grooves.

18. The method of claim 17, further comprising the step of forming a dielectric layer after forming the first and second electrodes.

19. The method of claim 17, wherein the grooves are formed so that both ends of neighboring grooves are connected with each other.

20. The method of claim 17, wherein the step of sealing the first and second substrates includes the step of soldering the first and second frames.

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